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it serves both for draining the Water by a Fire-Engine, and also for raising the Coals.

Whitehaven, Aug. 1,
1733.

IV. *An Observation of the Eclipse of the Sun on May 2, 1733, in the Afternoon. By Mr. George Graham, F. R. S. in Fleet-street, London. Made with a Telescope of ten Feet in Length, fitted with a Micrometer.*

App. Time.

At 5^h 44' 45" It began.

6 25 30 The Cusps were vertical.

6 37 30 The Eclipse was greatest, the lucid Part of the Sun's Diameter measuring 426 Parts, whereof the Sun's Diameter measured 2311. So that the Eclipse was 9 $\frac{4}{5}$ Digits.

6 46 00 The Cusps were horizontal.

7 28 23 The Eclipse ended.